Site Plan for Tim A

BEING SUBLOT 14 IN THE RESERVE AT STONE CREEK
AS RECORDED IN VOLUME ___ PAGE ___ IN THE L
MAP RECORDS. LOCATED IN THE CITY OF KIRTLAND,
LAKE AND STATE OF OHIO

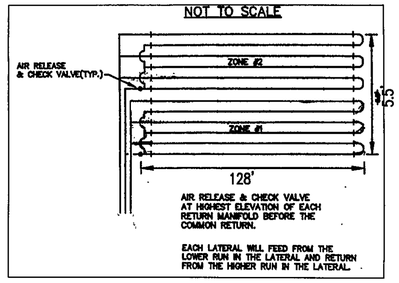
LEGEND

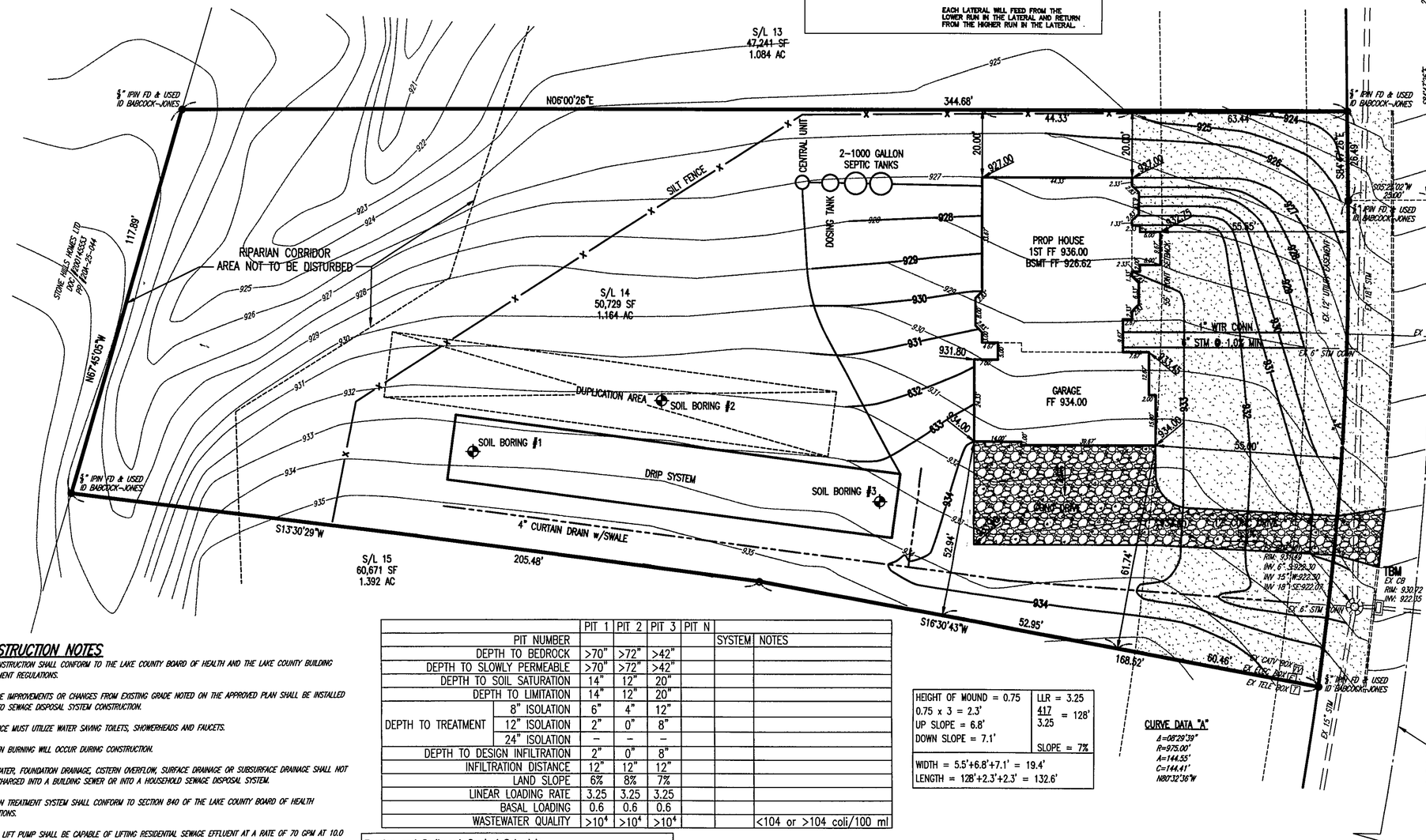
873.26 PROPOSED ELEVATIONS
AS-BUILT ELEVATIONS
872 EXISTING CONTOURS
872 PROPOSED CONTOURS
OVERLAND DRAINAGE FLOW
CONSTRUCTION ENTRANCE
SILT FENCE
TEMPORARY SEEDING AND MULCHING

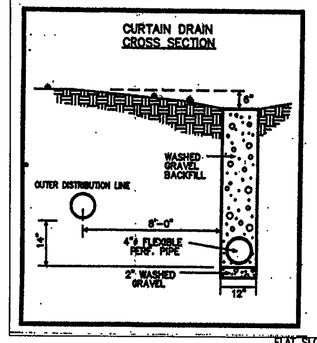
NOTES:

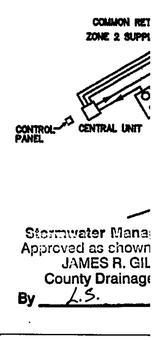
1.) CONTRACTOR TO VERIFY STORM AND WATER CONNECTION LOCATIONS AND DEPTHS PRIOR TO CONSTRUCTION.
2.) TBM: CURB INLET RIM ⊙ NE CORNER OF LOT. ELEVATION = 930.72

NOT TO SCALE

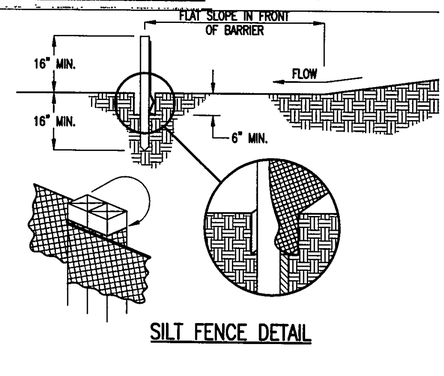




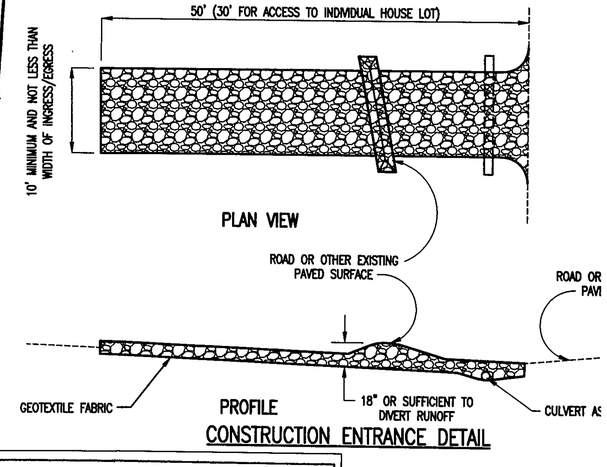




Stormwater Mana
Approved as shown
JAMES R. GIL
County Drainage
By J.S.



SILT FENCE DETAIL



CONSTRUCTION ENTRANCE DETAIL

CONSTRUCTION NOTES

ALL CONSTRUCTION SHALL CONFORM TO THE LAKE COUNTY BOARD OF HEALTH AND THE LAKE COUNTY BUILDING DEPARTMENT REGULATIONS.

DRAINAGE IMPROVEMENTS OR CHANGES FROM EXISTING GRADE NOTED ON THE APPROVED PLAN SHALL BE INSTALLED PRIOR TO SEWAGE DISPOSAL SYSTEM CONSTRUCTION.

RESIDENCE MUST UTILIZE WATER SAVING TOILETS, SHOWERHEADS AND FAUCETS.

NO OPEN BURNING WILL OCCUR DURING CONSTRUCTION.

ROOF WATER, FOUNDATION DRAINAGE, CISTERN OVERFLOW, SURFACE DRAINAGE OR SUBSURFACE DRAINAGE SHALL NOT BE DISCHARGED INTO A BUILDING SEWER OR INTO A HOUSEHOLD SEWAGE DISPOSAL SYSTEM.

AREATION TREATMENT SYSTEM SHALL CONFORM TO SECTION 840 OF THE LAKE COUNTY BOARD OF HEALTH REGULATIONS.

SEWAGE LIFT PUMP SHALL BE CAPABLE OF LIFTING RESIDENTIAL SEWAGE EFFLUENT AT A RATE OF 70 GPM AT 10.0 GPM OF HEAD.

IF A SEPARATE PUMPING CHAMBER IS UTILIZED, THE CHAMBER SHALL HAVE A MINIMUM WORKING VOLUME OF 250 GALLONS. THE FLOAT LEVELS SHALL BE ADJUSTED TO PROVIDE FOR A 150 GALLON DOSING VOLUME TO THE DISPOSAL FIELD.

ELECTRICAL WORK AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.

MECHANICAL COMPONENTS INSTALLED IN A PROPERLY VENTED LOCATION AND ALL VENTS, AIR INTAKES AND AIR HOSES SHALL BE PROTECTED FROM SNOW, ICE OR WATER VAPOR ACCUMULATIONS. INSTALLATION SHALL BE MADE TO MINIMIZE RELEASE OF ODORS.

MECHANICAL COMPONENTS INSTALLED IN OR AT THE SEWAGE TANK SHALL BE PROTECTED AGAINST DAMAGE OR IMPAIRMENT OF EFFICIENCY BY FLOODING, FOAMING OR SURCHARGING. PUMPS MUST BE READILY REMOVABLE FROM THE MANHOLE IN CASE OF PUMP FAILURE.

CONTROL AND ALARM CIRCUITS FOR AERATION SYSTEM AND LIFT PUMP SHALL BE WIRED TO A COMMON ANNUNCIATOR TO BE LOCATED IN THE BASEMENT OR GARAGE OF THE RESIDENCE.

EACH SECTION OF THE LEACHING LINE SHALL BE PROVIDED WITH NOT LESS THAN ONE INSPECTON PORT. THE MINIMUM DIMENSION OF WHICH SHALL BE FOUR (4") INCHES.

THE DISTRIBUTION BOX, SPLITTER AND BOX AND INSPECTION PORTS SHALL BE BROUGHT TO GRADE AND SHALL BE PROVIDED WITH SECURED COVERS. THE MINIMUM INSIDE DIMENSIONS OF THE BOX SHALL BE EIGHTEEN (18") INCHES IN WIDTH. THE BOX SHALL BE OF SUFFICIENT DEPTH TO PREVENT OVERFLOWING WHEN SURGED.

SURFACE WATER SHALL BE DIVERTED AWAY FROM THE DISPOSAL FIELD AREAS BY THE USE OF SWALES. CURTAIN DRAINS SHALL BE INSTALLED AS INDICATED ON THE PLAN.

EVAPORATION-TRANSPIRATION TRENCHES SHALL BE COVERED WITH TOPSOIL AND SEEDED. SHRUBBERY SHALL BE PLANTED IN THE AREA OF THE FIELD IN A FASHION TO BEST ASSIST IN TRANSPIRATION.

IF DWELLING IS COMPLETED PRIOR TO COMPLETION OF THE PROPOSED WATER MAINS, A TEMPORARY WELL SHALL BE INSTALLED TO PROVIDE DOMESTIC WATER SUPPLY FOR THE DWELLING. UPON COMPLETION OF THE PROPOSED WATER MAIN, DWELLING SHALL BE CONNECTED TO THE MAIN AS INDICATED HEREON. WATER CONNECTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE OHIO WATER SERVICE COMPANY.

		PIT 1	PIT 2	PIT 3	PIT N	SYSTEM	NOTES
PIT NUMBER							
DEPTH TO BEDROCK		>70"	>72"	>42"			
DEPTH TO SLOWLY PERMEABLE		>70"	>72"	>42"			
DEPTH TO SOIL SATURATION		14"	12"	20"			
DEPTH TO LIMITATION		14"	12"	20"			
DEPTH TO TREATMENT	8" ISOLATION	6"	4"	12"			
	12" ISOLATION	2"	0"	8"			
	24" ISOLATION	–	–	–			
DEPTH TO DESIGN INFILTRATION		2"	0"	8"			
INFILTRATION DISTANCE		12"	12"	12"			
LAND SLOPE		6%	8%	7%			
LINEAR LOADING RATE		3.25	3.25	3.25			
BASAL LOADING		0.6	0.6	0.6			
WASTEWATER QUALITY		>10⁴	>10⁴	>10⁴			<104 or >104 coli/100 ml

HEIGHT OF MOUND = 0.75	LLR = 3.25
0.75 x 3 = 2.3'	417 / 3.25 = 128'
UP SLOPE = 6.8'	SLOPE = 7%
DOWN SLOPE = 7.1'	
WIDTH = 5.5'+6.8'+7.1' = 19.4'	
LENGTH = 128'+2.3'+2.3' = 132.6'	

Erosion and Sediment Control Schedule

Ingress-Egress
A stone access drive complete with under lying geo-textile fabric (20 feet wide and 50 feet long) for ingress and egress at the site shall be installed. This drive shall be the only entrance and exit to the site.

Silt Fence
A silt fence shall be installed prior to any earthwork activities at the site in the locations shown on the site plan as well as along the front of any lot that slopes towards the street.

Temporary Seeding
Disturbed areas of the site that are to remain idle for more than twenty-one(21) days shall be properly seeded and straw mulched within seven(7) days of completion of intitial grading.
Temporary seeding and mulching ao a thirty(30) foot strip of the entire front of the lot shall be maintained on the site once initial grading is complete.

Stabilization of critical areas within fifty(50) feet of any stream or wetland shall be complete within two(2) days of the disturbance if the site is to remain inactive for longer than fourteen(14) days.

Mulching
Straw-mulch shall be applied at a rate of 1 bale per every ten (10) feet of curb, at a width of thirty(30) feet to the entire length of the lot. Wood chips may also be used but must be spread at a minimum depth of four inches over the thirty-foot width and must be accompanied by a properly installed silt fence.

Maintenance
Erosion and sediment controls shall be inspected every seven(7) days or within 24 hours of a 0.5" or greater rainfall event. Necessary repairs shall be made at this time.

TEMPORARY SEEDING SPECIFICATIONS

SEEDING DATES	SPECIES	Lb./1,000 Sq.Ft.	PER Ac.
MARCH 1 TO AUGUST 15	OATES	3	4 BUSHEL
	TALL FESCUE	1	40 lb.
	ANNUAL RYEGRASS	1	40 lb.
	PERENNIAL RYEGRASS	1	40 lb.
	TALL FESCUE	1	40 lb.
	ANNUAL RYEGRASS	1	40 lb.
AUGUST 16 TO NOVEMBER 1	RYE	3	2 BUSHEL
	TALL FESCUE	1	40 lb.
	ANNUAL RYEGRASS	1	40 lb.
	WHEAT	3	2 BUSHEL
	TALL FESCUE	1	40 lb.
	ANNUAL RYEGRASS	1	40 lb.
	PERENNIAL RYEGRASS	1	40 lb.
	TALL FESCUE	1	40 lb.
	ANNUAL RYEGRASS	1	40 lb.
NOVEMBER 2 TO SPRING SEEDING	USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING.		

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.

SOIL BORING NOTE:

SOIL BORINGS PERFORMED BY FLOYD E. McCLEARY

PK NAIL FD & USED

EROSION AND SEDIMENT CONTROL NOTES:

INGRESS-EGRESS
A STONE ACCESS DRIVE COMPLETE WITH UNDER LYING GEO-TEXTILE FABRIC (20 FEET WIDE AND 50 FEET LONG) FOR INGRESS AND EGRESS AT THE SITE SHALL BE INSTALLED. THIS DRIVE SHALL BE THE ONLY ENTRANCE AND EXIT TO THE SITE

SILT FENCE
ALL SILT FENCE SHALL BE INSTALLED PRIOR TO ANY EARTHWORK ACTIVITIES AT THE SITE IN THE LOCATIONS SHOWN ON THE SITE PLAN AS WELL AS ALONG THE FRONT OF ANY LOT THAT SLOPES TOWARDS THE STREET.

TEMPORARY SEEDING
DISTURBED AREAS OF THE SITE THAT ARE TO REMAIN IDLE FOR MORE THAN THIRTY (30) DAYS SHALL BE PROPERLY SEEDED AND STRAW MULCHED WITHIN SEVEN (7) DAYS OF COMPLETION OF INITIAL GRADING. TEMPORARY SEEDING AND MULCHING OF A THIRTY (30) FOOT STRIP OF ENTIRE FRONT OF LOT SHALL BE MAINTAINED ON THE SITE ONCE INITIAL GRADING IS COMPLETE.

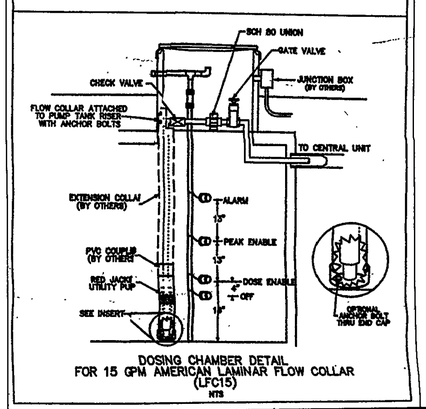
MULCHING
STRAW-MULCH SHALL BE APPLIED AT A RATE OF 1 BALEPER EVERY TEN (10) FEET OF CURB, AT A WIDTH OF THIRTY (30) FEET OF THE ENTIRE LENGTH OF THE LOT. WOOD CHIPS MAY ALSO BE USED BUT MUST BE SPREAD AT A MINIMUM DEPTH OF FOUR INCHES OVER THE THIRTY-FOOT WIDTH AND MUST BE ACCOMPANIED BY A PROPERLY INSTALLED SILT FENCE.

MAINTENANCE
EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED EVERY SEVEN (7) DAYS WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL EVENT. NECESSARY REPAIRS SHALL BE MADE AT THIS TIME.

ALL EROSION AND SEDIMENT CONTROL SPECIFICATIONS, APPLICATIONS, AND TIMETABLES ARE BASED ON THE DESCRIPTIONS AND STANDARDS OF THE OHIO DEPARTMENT OF NATURAL RECOURSES "RAINWATER AND LAND DEVELOPMENT MANUAL" AND CAN BE FOUND IN THE LAKE COUNTY EROSION AND SEDIMENT CONTROL RULES AS ADOPTED DECEMBER 21, 1999.

AERMOTOR MODEL: TEP20-50-115

1.25" DISCHARGE
0.5 HORSEPOWER
115 VOLT
12.0 AMPS
1/16" MAX. SOLIDS HANDLING
1 PHASE
60 HZ
MULTI-STAGE CENTRIFUGAL



DOSING CHAMBER DETAIL
FOR 15 GPM AMERICAN LAMINAR FLOW COLLAR (LFC15)
NTS

DESIGN CERTIFICATIO

"I, THE UNDERSIGNED, HEREBY CERTIFY THAT TH
INDICATED BY CONTOURS AND EXISTING ELEVATIO
REPRESENTS AN ACTUAL SURVEY MADE BY ME (
AND THAT THE ELEVATIONS WERE TAKEN AT THE
INTERVALS AND AS OF THAT DAY THEY EXISTED

I FURTHER CERTIFY THAT THIS PLAN WAS PREPA
ACTUAL BOUNDARY SURVEY AND IRON PINS WER
THE PROPERTY CORNERS AND ALL OF WHICH IS
BEST OF MY KNOWLEDGE AND BELIEF."

BY: Peter J. Kreyenbuhl
REG. NO. 4499

AS-BUILT CERTIFICA

"I HEREBY CERTIFY THAT THE CIRCLED ELEVATIO
FINISH GRADES CHECKED IN THE FIELD ON
_____ AND AS OF TH
CORNER IRON PINS WERE EXISTING AND THAT S
THE BEST OF KNOWLEDGE AND BELIEF."

BY: _____
REG. NO. _____

SITE PLAN & MISCE